

Forecast for MEIDEX

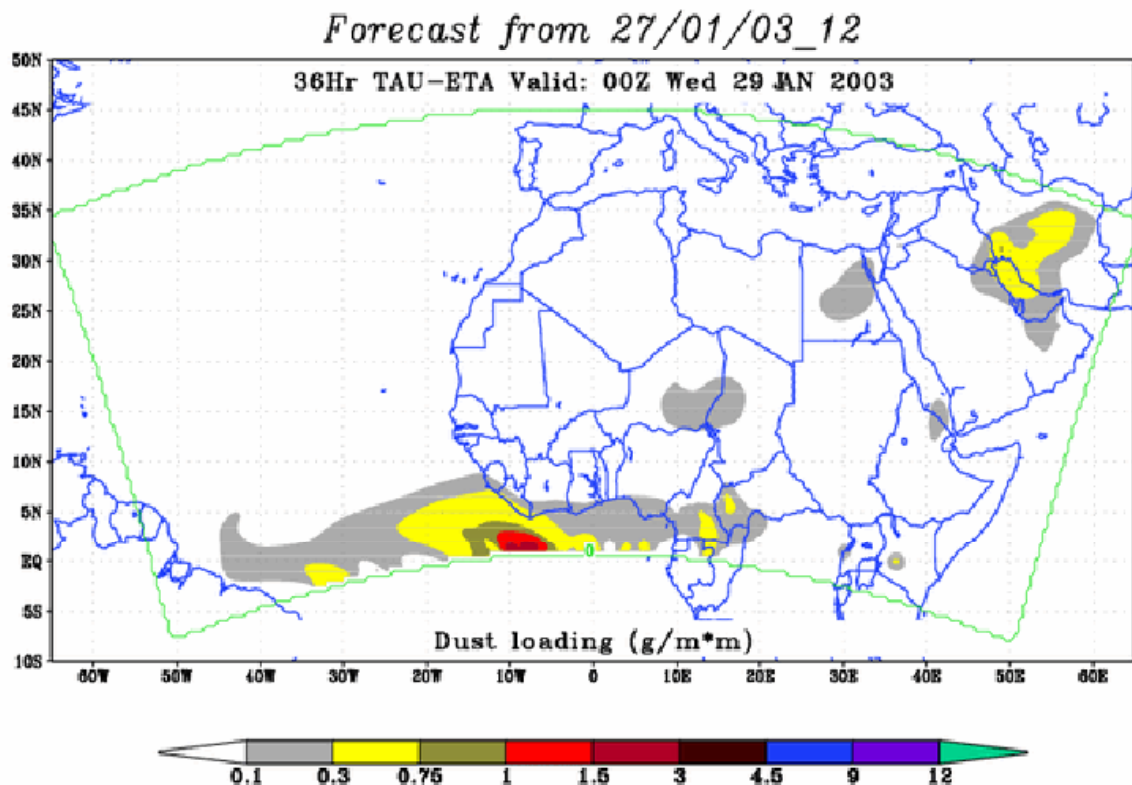
Date: for 29 Jan 2003

General:

No dust activity in forecast for the Mediterranean ROI until January 31.
Significant cloud cover over the eastern part of the ROI, with diminishing cloud cover in the west, allowing some sea-surface observations.

Atlantic:

The plume along **5N** is thick and extends westward to **40W**. According to another model – an additional plume will also exist from **25N**, but seems to be a little weaker.



Dust loading for 29 Jan 2003, Tel Aviv model, showing an extended plume over the Atlantic, along 5N, westward to 40W. The major portion of the plume is observed near the African coast.

MSG 195A - BLUE FD14 MEIDEX OPS

Yoya's Message: A very special tribute to Ilan, a special friend who represents both a payload and a nation. You have made us all proud.

Ilan the Man.

A man was selected five years ago,
His mission was to Space to go.
He is used to fly but now he floats
And over us poor mortals he gloats.
He talks to us as a proud Jew
And all of Space is his pew.

FD14 Operations Message

MX Playback: 12/13:40 & 13/00:50

MX XFERS: 12/23:00

MX PGSC Setup (sts 5-6): 12/23:10

Standalone Door Ops: Per ground call

Digital TV Instructions: Live digital downlink orbit 207 and 208

Special Instructions:

- 1) For error messages, select "OK" to ignore on MEIDEX PGSC (as many times as required). Notify MCC and perform MEIDEX PGSC Reboot per MSG 149.
- 2) As long as we remain in the bay to earth attitude, we plan to try to leave the MEIDEX door open as much as possible, so we will be making some calls for independent door ops. Believe it or not, there seems to be some extra Ku that no one is using. We'll leave the Sekai on and take advantage of extra video whenever we can get the link. If providence favors us and we get some good dust or sea surfaces we'll power up the Xybion via ground command and record (regardless of where we are geographically).

MSG 195A - BLUE FD14 MEIDEX OPS

Orbit # 204

Observation type: Dust / Sea Surface (Mediterranean)
Dust plume width: No dust in the forecast
Dust Plume Location: N/A
Airplane Support: None
Video: Live SSV
Special Instructions: Ground commanded observation.
Violations: None

Start	Procedure	Instructions	R/NR	CMD	Notes
12/16:00	MEIDEX SETUP	Step 4 (TLM Config)	REQ	POCC	
		Step 5 (Event Log Config)	REQ	POCC	
		Step 6 (PLD VCR Act.)	REQ	POCC	VCR = 1
		Step 7 (Sekai Activation)	REQ	POCC	
12/16:15	XYBION ACTIVATION	Step 1 (Xybion Powerup)	REQ	POCC	
		Step 2 (Time/Date Config)	REQ	POCC	
12/16:21	MEIDEX SCIENCE	Step 1 (Xyb Pwr Check)	NR	--	
		Step 2 (Xyb T/D Check)	NR	--	
		Step 3 (Door Open)	NR	--	
		Step 4 (Xyb Cam Config)	REQ	POCC	Setup = ROI
		Step 5 (Mon 2 Checks)	NR	--	
		Step 6 (Truss Pntg Config)	REQ	POCC	Truss = 0
		Step 7 (In Cabin Record)	NR	--	
		Step 8 (PLD VCR act)	REQ	POCC	VCR = 1
12/16:31	T Time	Step 9 (Observation)	REQ	POCC	
12/16:34	MEIDEX SCIENCE	Step 10 (PLD VCR Stop)	REQ	POCC	NLT 12/16:35
		Step 11 (In Cabin Stop)	NR	--	
		Step 12 (PTV PWRDN)	NR	--	
		Step 13 (Door Close)	NR	--	
		Step 14 (PLD VCR Swap)	NR	--	
		Step 15 (Status Check)	REQ	POCC	
		Step 16 (Truss Reconfig)	REQ	POCC	

MSG 195A - BLUE FD14 MEIDEX OPS

Orbit # 205
 Observation type: Dust / Sea surface (Mediterranean)
 Dust plume width: No dust in the forecast
 Dust Plume Location: N/A
 Airplane Support: None
 Video: Live SSV
 Special Instructions: Ground commanded observation.
Violations: None

Start	Procedure	Instructions	R/NR	CMD	Notes
12/17:50	MEIDEX SCIENCE	Step 1 (Xyb Pwr Check)	NR	--	
		Step 2 (Xyb T/D Check)	NR	--	
		Step 3 (Door Open)	NR	--	
		Step 4 (Xyb Cam Config)	REQ	POCC	Setup = ROI
		Step 5 (Mon 2 Checks)	NR	--	
		Step 6 (Truss Pntg Config)	REQ	POCC	Truss = 0
		Step 7 (In Cabin Record)	NR	--	
		Step 8 (PLD VCR act)	REQ	POCC	VCR = 1
12/18:03	T Time	Step 9 (Observation)	REQ	POCC	
12/18:04	MEIDEX SCIENCE	Step 10 (PLD VCR Stop)	REQ	POCC	NLT 12/18:05
		Step 11 (In Cabin Stop)	NR	--	
		Step 12 (PTV PWRDN)	NR	--	
		Step 13 (Door Close)	NR	--	
		Step 14 (PLD VCR Swap)	NR	--	
		Step 15 (Status Check)	REQ	POCC	
		Step 16 (Truss Reconfig)	REQ	POCC	
12/18:10	MX Closeout	Step 1 (VCR Deact)	REQ	POCC	
		Step 3 (Xybion Deact)	REQ	POCC	

MSG 195A - BLUE FD14 MEIDEX OPS

Orbit # 207

Observation type: Dust (Atlantic)
 Dust plume width: 300 km, some 1000 km long
 Dust Plume Location: 10W-20W, along 5N-10N, 5 degrees south-west of the groundtrack
 Airplane Support: N/A
 Video: Live Digital Downlink; Recorded on VTR and V10
 Special Instructions: A wide plume of yellow dust mixed with white smoke and some cloudiness, stretching from the African coast toward the Atlantic
 Violations: None

Start	Procedure	Instructions	R/NR	CMD	Notes
12/20:10	MEIDEX SETUP	Step 1 (Timer Setup)	REQ	Crew	
		Step 2 (PTV Check)	REQ	Crew	
		Step 3 (Tape Verification)	REQ	Crew	
	MX PGSC Reboot	Reference Msg 149	REQ	Crew	
12/20:30	XYBION ACTIVATION	Step 1 (Xybion Powerup)	REQ	POCC	
		Step 2 (Time/Date Config)	REQ	POCC	
12/20:40	MEIDEX SCIENCE	Step 4 (Xyb Cam Config)	REQ	POCC	Setup = ROI
		Step 6 (Truss Pntg Config)	REQ	POCC	Truss = -10
12/20:50	MEIDEX SCIENCE	Step 1 (Xyb Pwr Check)	REQ	Crew	
		Step 2 (Xyb T/D Check)	REQ	Crew	
		Step 3 (Door Open)	NR	--	
		Step 4 (Xyb Cam Config)	NR	--	Already cmded
		Step 5 (Mon 2 Checks)	REQ	Crew	Setup = ROI
		Step 6 (Truss Pntg Config)	NR	--	Already cmded
		Step 7 (In Cabin Record)	REQ	Crew	Digital dnlk
		Step 8 (PLD VCR act)	REQ	Crew	VCR = 1
12/21:06	T Time	Step 9 (Observation)	REQ	Crew	Mnvr truss as reqd to point towards dust
12/21:19	MEIDEX SCIENCE	Step 10 (PLD VCR Stop)	REQ	Crew	NLT 12/21:20
		Step 11 (In Cabin Stop)	REQ	Crew	
		Step 12 (PTV PWRDN)	NR	--	
		Step 13 (Door Close)	NR	--	
		Step 14 (PLD VCR Swap)	NR	--	
		Step 15 (Status Check)	REQ	POCC	
		Step 16 (Truss Reconfig)	REQ	POCC	

MSG 195A - BLUE FD14 MEIDEX OPS

Orbit # 208

Observation type: Dust (Atlantic)
 Dust plume width: 300 km, some 1000 km long
 Dust Plume Location: 10W-20W, along 5N-10N, 5 degrees North-East of the groundtrack
 Airplane Support: N/A
 Video: Live Digital Downlink; Recorded on VTR and V10
 Special Instructions: A wide plume of yellow dust mixed with white smoke and some cloudiness, stretching from the African coast toward the Atlantic
 Violations: None

Start	Procedure	Instructions	R/NR	CMD	Notes
12/22:10	MEIDEX SCIENCE	Step 4 (Xyb Cam Config)	REQ	POCC	Setup = ROI
		Step 6 (Truss Pntg Config)	REQ	POCC	Truss = +10
12/22:30	MEIDEX SCIENCE	Step 1 (Xyb Pwr Check)	REQ	Crew	
		Step 2 (Xyb T/D Check)	REQ	Crew	
		Step 3 (Door Open)	NR	--	
		Step 4 (Xyb Cam Config)	NR	--	Already cmded
		Step 5 (Mon 2 Checks)	REQ	Crew	Setup = ROI
		Step 6 (Truss Pntg Config)	NR	--	Already cmded
		Step 7 (In Cabin Record)	REQ	Crew	Digital Dnlk
		Step 8 (PLD VCR act)	REQ	Crew	VCR = 1
12/22:42	T Time	Step 9 (Observation)	REQ	Crew	
12/22:50	MEIDEX SCIENCE	Step 10 (PLD VCR Stop)	REQ	Crew	NLT 12/22:51
		Step 11 (In Cabin Stop)	REQ	Crew	
		Step 12 (PTV PWRDN)	REQ	Crew	
		Step 13 (Door Close)	NR	--	
		Step 14 (PLD VCR Swap)	NR	--	
		Step 15 (Status Check)	REQ	POCC	
		Step 16 (Truss Reconfig)	REQ	POCC	
12/22:55	MX CLOSEOUT	Step 1 (PLD VCR Deact)	REQ	POCC	
		Step 2 (Sekai Deact)	NR	--	Leave Sekai ON
		Step 3 (Xybion Deact)	REQ	POCC	
		Step 4 (Truss Reconfig)	NR	--	
12/23:00	MX CLOSEOUT	Step 5 (File Transfer)	REQ	Crew	
12/23:10	MX PGSC SETUP	Step 5 (MX TLM Config)	REQ	Crew	
		Step 6 (Event Log Config)	REQ	Crew	